

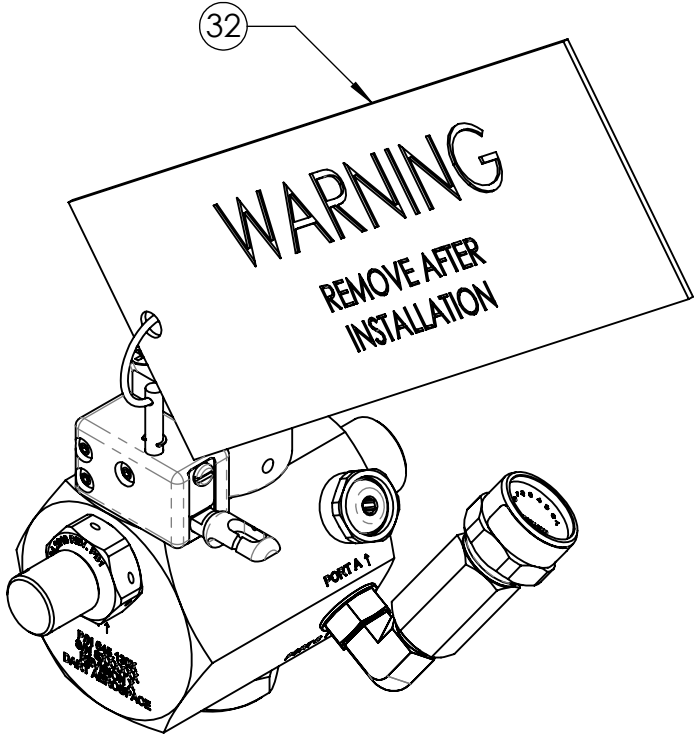
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

NOTES:

1. ASSEMBLE IAW MPP-235
2. ORIENT PRESSURE GAUGE AS SHOWN
3. LASER ENGRAVE OR DOT MARK VALVE P/N, S/N, AND REVISION ONTO THE 600.0247 VALVE BODY IAW MPP-120
4. LASER ENGRAVE OR DOT MARK AS SHOWN IAW MPP-120
5. QTY (1) EXTRA M83461/2-910 O-RING REQUIRED FOR POST LEAKAGE TEST ASSEMBLY
6. REFER TO SHEET 4-5 FOR CONFIGURATION SPECIFIC VIEWS

PNC1



645.1301
645.1302
(645.1301 SHOWN)

PROTOTYPE REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED	CHANGE CODE	EFFECTIVITY	REVISED BY
SHEET 1 A8-2 A5-2	PNC1	ADDED FOR PROTOTYPE REVISION TABLE REVISED NOTES AND ISOMETRIC VIEW MOVED TO SHEET 1 MAT'L & SPEC. COLUMN VALUES DELETED F/N 52: ADDED P/N 600.1044 F/N 51: ADDED P/N 600.0903 F/N 50: QTY WAS 2 IS 3 FOR BOTH CONFIGURATIONS F/N 50: P/N WAS 601.1091 IS M83461/2-910 F/N 47: QTY WAS 1 IS 2 FOR BOTH CONFIGURATIONS F/N 47: P/N WAS 601.1089 IS M83461/2-905 F/N 45: P/N WAS 601.1927 IS 601.2974 F/N 44: DELETED F/N 43: DELETED F/N 42: DELETED F/N 41: P/N WAS 601.1092 IS M83461/2-912 F/N 36: P/N WAS 601.1105 IS MS51959-52 F/N 35: P/N WAS 600.0262 IS MS19060-1012 F/N 30: P/N WAS 600.0727 IS MS51957-34 F/N 28: P/N WAS 601.2079 IS AN515C5-5 F/N 27: P/N WAS 601.1549 IS MS28775-011 F/N 24: P/N WAS 601.2382 IS 654.6510 F/N 22: P/N WAS 600.0288 IS 654.6411 F/N 21: P/N WAS 601.1086 IS M83461/2-902 F/N 20: P/N WAS 600.0260 IS 654.6410 F/N 19: P/N WAS 601.1084 IS NAS1611-006A F/N 18: P/N WAS 600.0289 IS 654.6412 F/N 17: P/N WAS 600.0258 IS 601.3739 DELETED F/NS 9, 10, 14, AND 15 F/N 12: P/N WAS 601.1085 IS MS28775-020 F/N 8: P/N WAS 600.1090 IS M83461/2-906 F/N 6: DELETED F/N 4: QTY WAS 1 IS 2 FOR BOTH CONFIGURATIONS F/N 4: P/N WAS 601.1088 IS M83461/2-904 CONFIGURATION 645.1302 ADDED	04-29-21	J. GARDINER	MDI	NEXT ORDER	P. PORTELANCE
B5-2		FLAG NOTE 6 CALLOUT ADDED TO SPEC COLUMN FOR 645.1301 AND 645.1302 ISOMETRIC VIEW MOVED TO SHEET 1 AND EXPLODED VIEW UPDATED ADDED FOR CONFIGURATIONS SPECIFIC VIEWS ADDED FOR CONFIGURATION SPECIFIC VIEWS ADDED FOR ENGRAVING VIEWS					
C5-2							
D5-2							
SHEET 2 SHEET 3 SHEET 4 SHEET 5 SHEET 6							

ORIGINAL DATE
(MO-DA-YR) 03-03-06

DRAWN BY
Y. ADDIS

CHECKER
PB

DRAWING APPROVAL
S. JOSEPH
04-03-06

CONTRACT No.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

SIZE
B

CAGE CODE
07MZ6

DWG. NO.
645.1300

REV.
PNC1

SCALE NONE

SHEET 1 OF 6

DART
AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

VALVE ASSY

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A

B

C

D

PNC1

PNC1

PNC1

PNC1

PNC1

PNC1

PNC1

PNC1

PNC1

A/R	A/R	52	600.1044	O-RING GREASE/LUBRICANT	KRYTOX 240 AZ	
A/R	A/R	51	600.0903	LOCTITE RETAINING COMPOUND	LOCTITE 222MS	
3	3	50	M83461/2-910	O-RING		
1	1	49	601.0772	GAUGE FITTING		
1	1	48	601.0771	ADAPTER (90° ELBOW)		
2	2	47	M83461/2-905	O-RING		
A/R	A/R	46	601.1928	TORQUE SEAL	F-925 SKYDROL RES.	
A/R	A/R	45	601.2974	STAINLESS STEEL ANTISEIZE	MIL-A-907	
		44	DELETED			
		43	DELETED			
		42	DELETED			
1	1	41	M83461/2-912	O-RING		
1	1	39	600.0246	BAYONET		
1	1	38	600.0245	BAYONET SPRING		
1	1	37	600.0244	BAYONET HOUSING		
4	4	36	MS51959-52	SCREW		
1	1	35	MS19060-1012	TRIGGER BALL		
2	2	34	601.1083	O-RING		
1	1	33	634.9410	TRIGGER PISTON		
1	1	32	604.5210	WARNING TAG		
1	1	31	601.0761	SAFETY PIN		
3	3	30	MS51957-34	SCREW		
1	1	29	644.0610	SPRING BLADE		
1	1	28	AN515C5-5	SCREW		
1	1	27	MS28775-011	O-RING		
1	1	26	634.9310	PULL ROD		
1	1	25	634.9210	PULL ROD HOUSING		
1	1	24	654.6510	DIFFUSER CAP - 4		
1	1	23	624.2013	- 10 TO - 4 REDUCER		
1	1	22	654.6411	FILL PLUG		
1	1	21	M83461/2-902	O-RING		
1	1	20	654.6410	FILL BODY		
1	1	19	NAS1611-006A	O-RING		
1	1	18	654.6412	FILL PISTON		
1	1	17	601.3739	PRESSURE GAUGE		
1	1	16	600.0298	SHUTTLE POPPET ASSEMBLY		
		15	DELETED			
		14	DELETED			
1	1	13	600.0257	SHUTTLE POPPET RETAINER		
1	1	12	MS28775-020	O-RING		
1	1	11	600.0256	SHUTTLE POPPET SPRING		
		10	DELETED			
		9	DELETED			
2	2	8	M83461/2-906	O-RING		
1	1	7	600.0253	ADAPTER		
		6	DELETED			
1	1	5	600.0266	FUSIBLE PLUG		
2	2	4	M83461/2-904	O-RING		
1	1	3	600.0248	SAFETY DISC		
1	1	2	601.2413	SAFETY DISC RETAINER		
1	1	1	600.0247	VALVE BODY		
X			645.1302	VALVE ASSY		6
	X		645.1301	VALVE ASSY		6
.1302	.1301	F/N	P/N	DESCRIPTION	MAT'L	SPEC.

PNC1

QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR)		03-03-06	
645.1201		DRAWN BY Y. ADDIS		CHECKER PB	
		DRAWING APPROVAL S. JOSEPH		04-03-06	
				CONTRACT No.	
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	
				2 PLACE DECIMALS ±.01	
				3 PLACE DECIMALS ±.005	
				ANGLES ± .5°	
		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07MZ6	645.1300	PNC1
		SCALE NONE			SHEET 2 OF 6

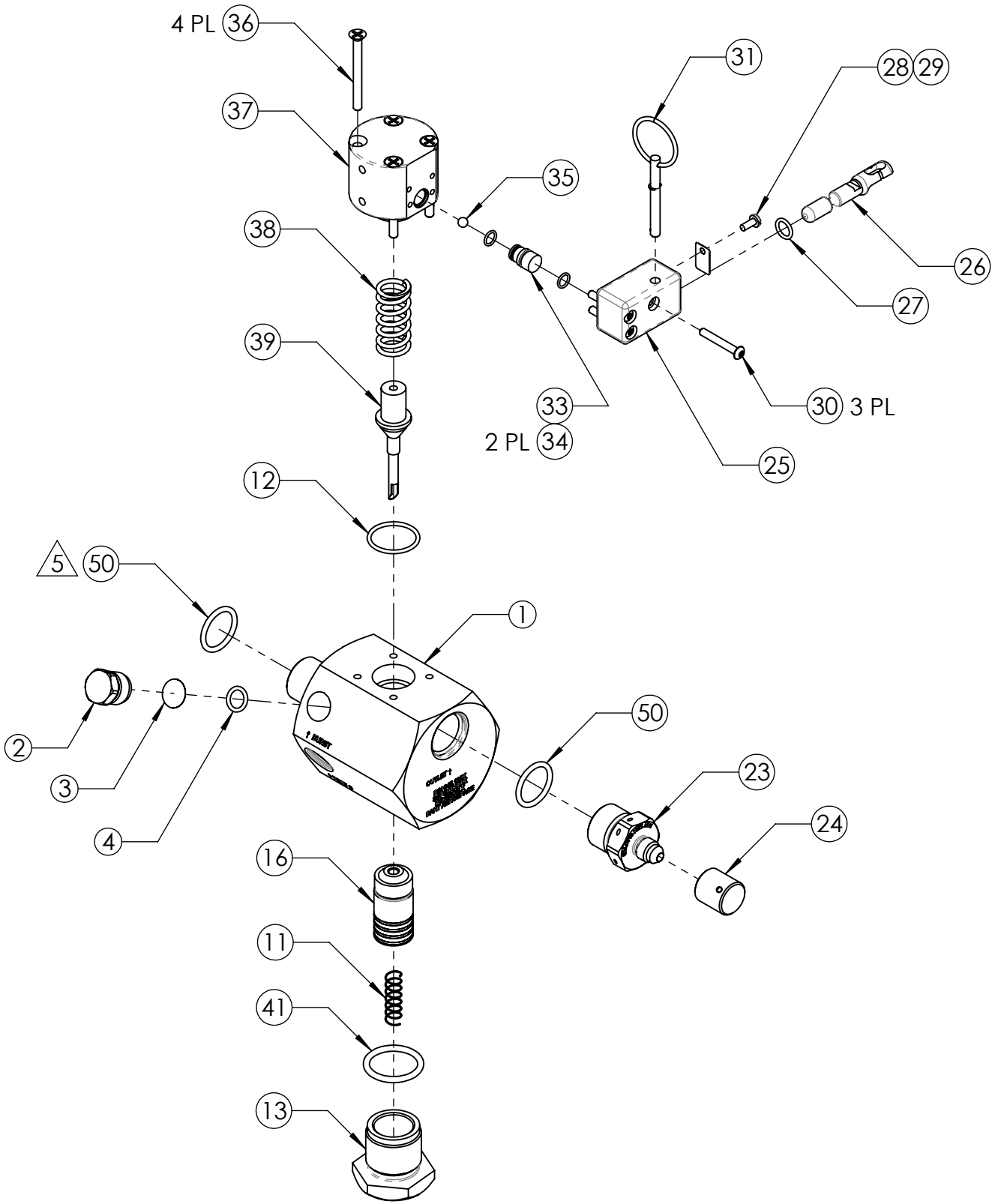
DART
AEROSPACE

APICAL INDUSTRIES, INC.
dba DART AEROSPACE


3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

VALVE ASSY

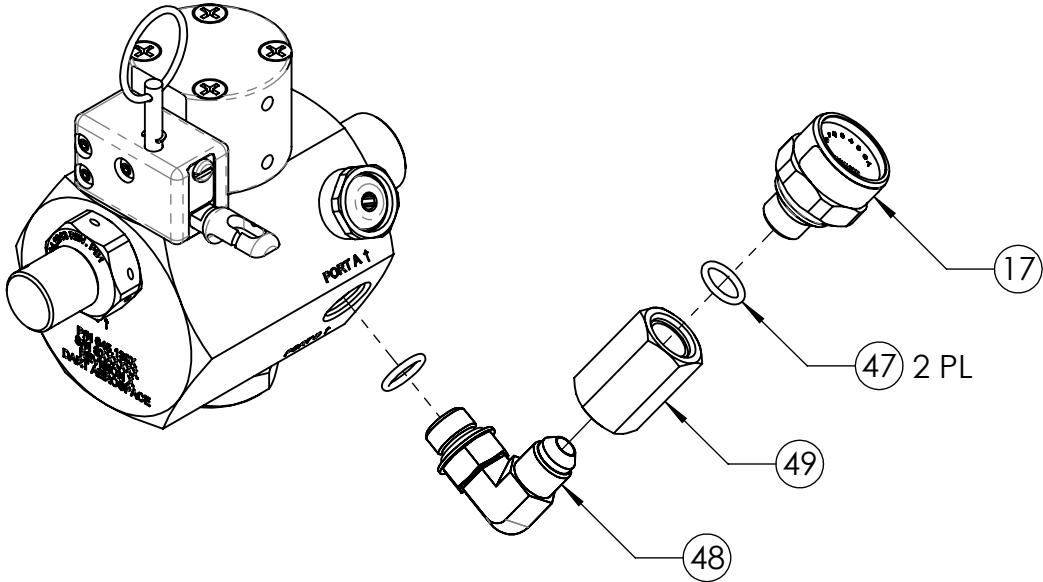
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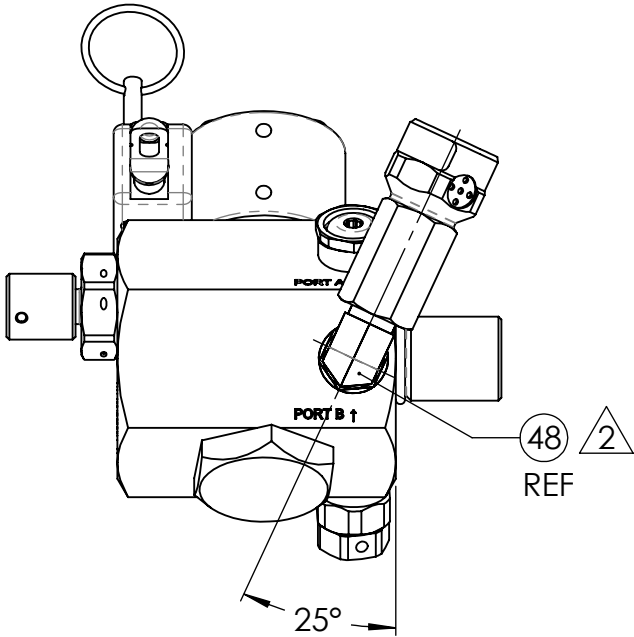
TYPICAL VALVE COMPONENT INSTALLATION
(ALL CONFIGURATIONS)
(WARNING TAG HIDDEN FOR CLARITY)

ORIGINAL DATE (MO-DA-YR) 03-03-06		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY Y. ADDIS	CHECKER PB		
DRAWING APPROVAL S. JOSEPH 04-03-06		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	REV. PNC1
CAGE CODE 07MZ6		DWG. NO. 645.1300	SHEET 3 OF 6
SCALE NONE			

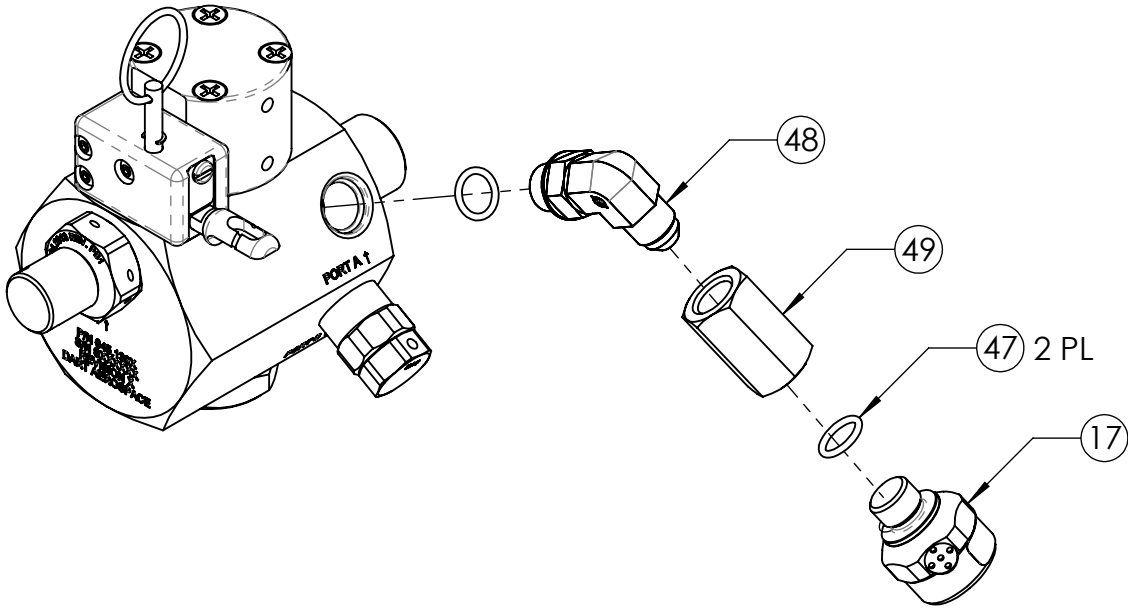
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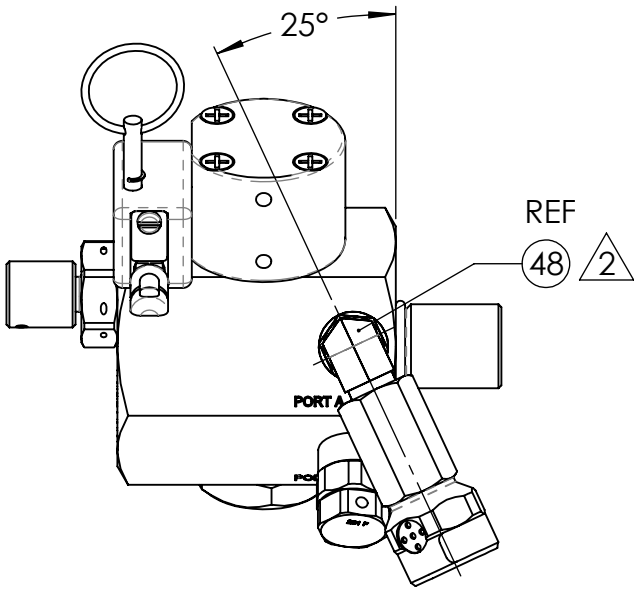
PRESSURE GAUGE INSTALLATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1301 ASSEMBLY)



PRESSURE GAUGE ORIENTATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1301 ASSEMBLY)



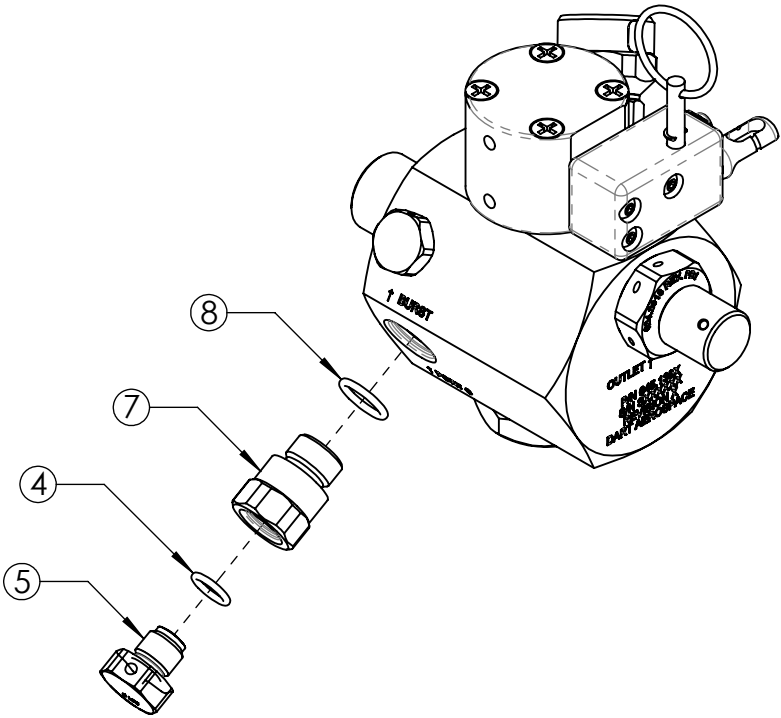
PRESSURE GAUGE INSTALLATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1302 ASSEMBLY)



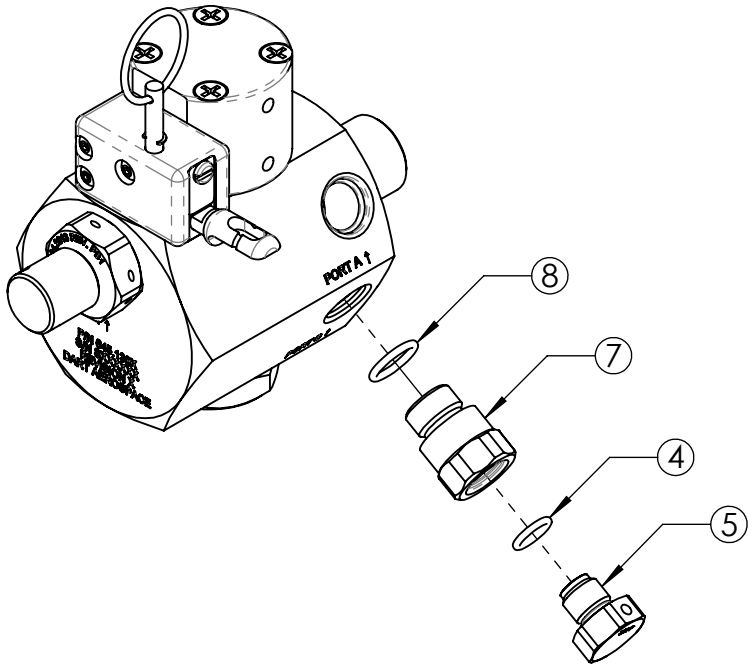
PRESSURE GAUGE ORIENTATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1302 ASSEMBLY)

ORIGINAL DATE (MO-DA-YR) 03-03-06		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY Y. ADDIS	CHECKER PB		
DRAWING APPROVAL S. JOSEPH 04-03-06		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B 07MZ6	REV. PNC1
		DWG. NO. 645.1300	SHEET 4 OF 6
		SCALE NONE	

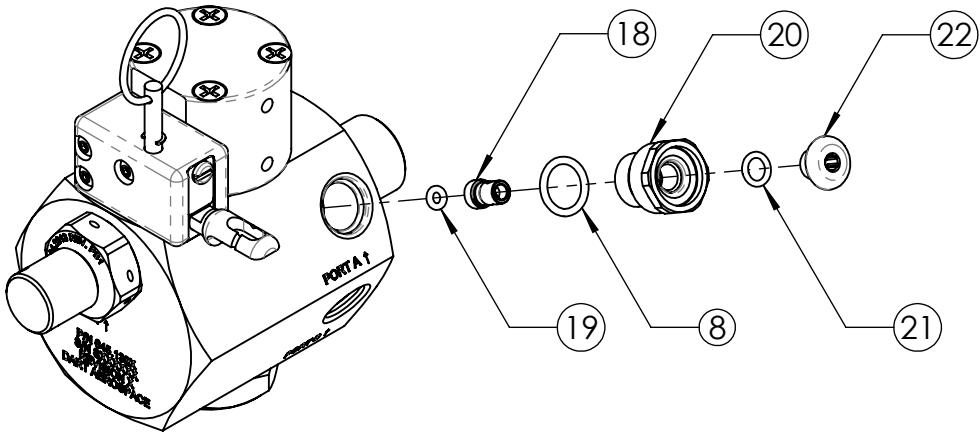
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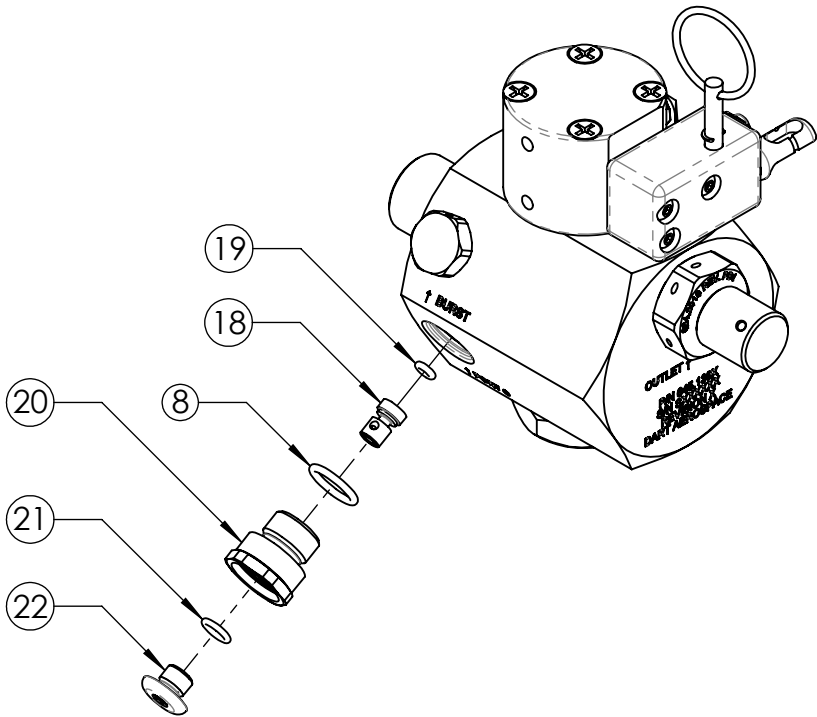
THERMAL PORT INSTALLATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1301 ASSEMBLY)




THERMAL PORT INSTALLATION
(WARNING TAG & PRESSURE GAUGE INSTALLATION HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1302 ASSEMBLY)



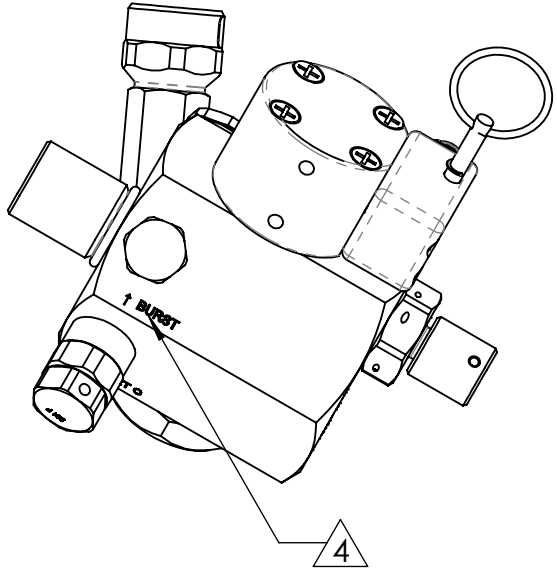
FILL PORT INSTALLATION
(WARNING TAG & PRESSURE GAUGE
INSTALLATION HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1301 ASSEMBLY)



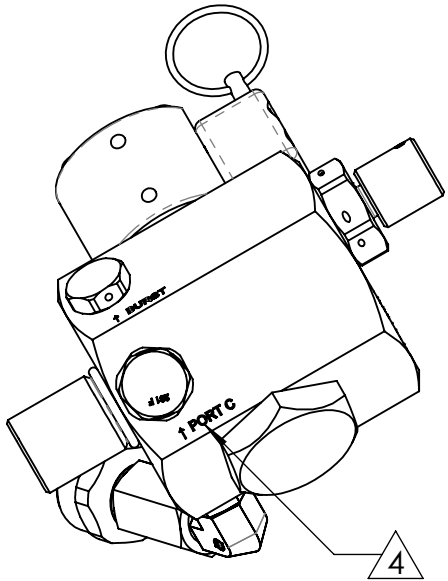
FILL PORT INSTALLATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 645.1302 ASSEMBLY)

ORIGINAL DATE (MO-DA-YR) 03-03-06		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY Y. ADDIS	CHECKER PB		
DRAWING APPROVAL S. JOSEPH 04-03-06		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	REV. PNC1
		CAGE CODE 07MZ6	DWG. NO. 645.1300
		SCALE NONE	SHEET 5 OF 6

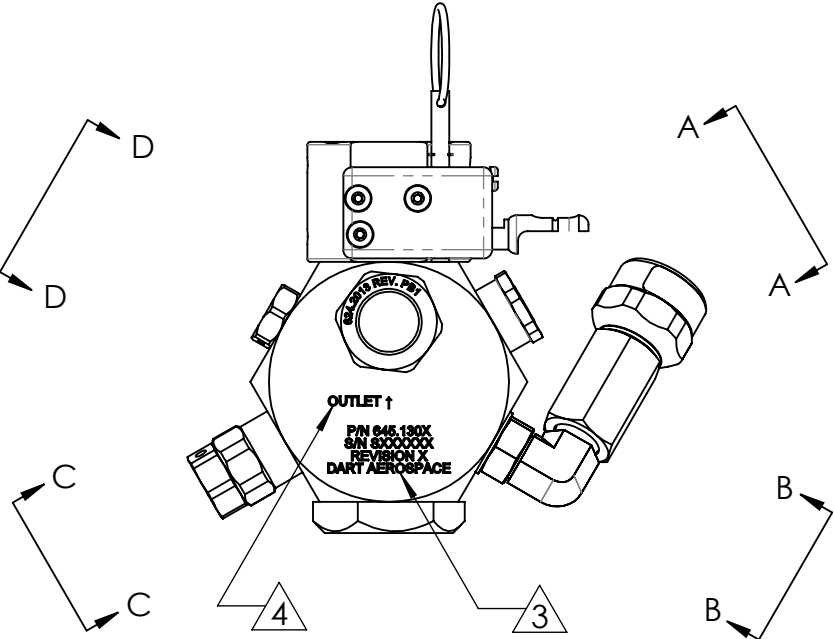
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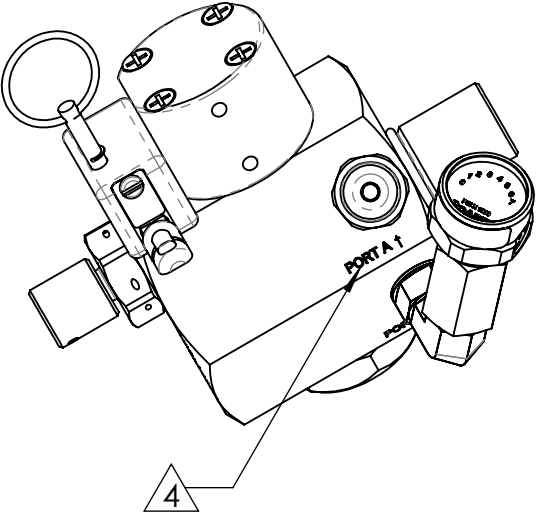
VIEW D-D



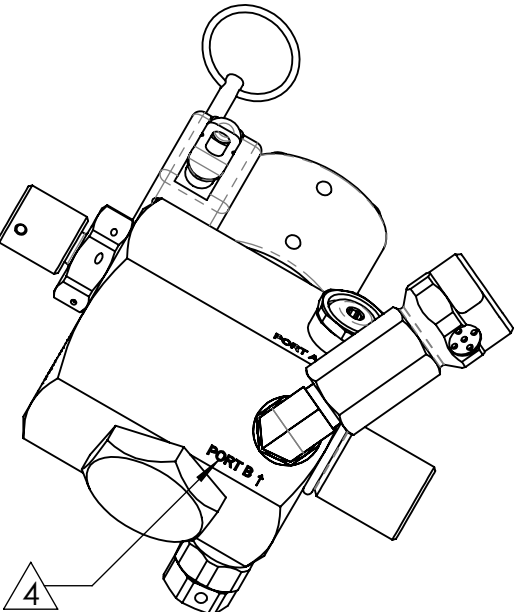
VIEW C-C



TYPICAL VALVE ENGRAVING
(WARNING TAG HIDDEN FOR CLARITY)
(ALL CONFIGURATIONS)




VIEW A-A



VIEW B-B

ENGRAVING TEXT			
CONFIGURATION	PORT A	PORT B	PORT C
645.1301	FILL	GAUGE	THERMAL
645.1302	GAUGE	THERMAL	FILL

ORIGINAL DATE (MO-DA-YR) 03-03-06		 DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY Y. ADDIS	CHECKER PB		
DRAWING APPROVAL S. JOSEPH 04-03-06 CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		VALVE ASSY	
SIZE B	CAGE CODE 07MZ6	DWG. NO. 645.1300	REV. PNC1
SCALE NONE		SHEET 6 OF 6	